

Patent Claims

1. Absorbent tissue layer comprising at least one ply, wherein the layer has a density equal to or less
5 than 130 kg/m³ and an elastic recovery value greater than 90%.
2. The absorbent tissue layer according to claim 1,
10 wherein the tissue layer is provided with a pattern of bulges, which bulges deviate from their base plane by more than 300 µm.
3. The absorbent tissue layer according to claim 2,
15 wherein the tops of the bulges have a mutual spacing of less than 4 mm.
4. The absorbent tissue layer according to claim 2,
wherein the deviation of the bulges after elastic
20 recovery is greater than the thickness of the ply and the bulges are cup-shaped.
5. The absorbent tissue layer according to claim 2,
wherein at least 50% of the walls of the bulges have an
25 inclination (α) greater than 45° in relation to the plane of the layer.
6. The absorbent tissue layer according to claim 1,
wherein the layer has a dry content of at least 93-94%
30 in terms of the weight of the layer.
7. The absorbent tissue layer according to claim 1,
wherein the layer comprises only cellulose fibres.
8. The absorbent tissue layer according to claim 1,
35 wherein the layer comprises synthetic thermoplastic fibres.

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9. The absorbent tissue layer according to claim 1, wherein the layer comprises regenerated cellulose fibres.

5 10. The absorbent tissue layer according to claim 1, wherein the layer is a wet-strength layer having a relative wet strength of more than 15%.

11. The absorbent tissue layer according to claim 1,
10 wherein the layer is wet-stable.

12. The absorbent tissue layer according to claim 1, wherein the layer is wet-shaped.

15 13. The absorbent tissue layer according to claim 1, wherein the grammage per ply is 10-60 g/m² and the grammage of the layer is 18-400 g/m².

14. The absorbent tissue layer according to claim 2,
20 wherein the elastic recovery value is greater than or equal to 95%; the bulges deviate from their base plane by 400 µm or more; the tops of the bulges have a mutual spacing of less than 2 mm; at least 70% of the bulges have an inclination greater than 45° in relation to the
25 plane of the layer; and the layer has a dry content of at least 96% in terms of the weight of the layer.

15. The absorbent tissue layer according to claim 2, wherein the elastic recovery value is greater than or
30 equal to 98%; the bulges deviate from their base plane by 800 µm or more; the tops of the bulges have a mutual spacing of less than 1 mm; at least 90% of the bulges have an inclination greater than 45° in relation to the plane of the layer; and the layer has a dry content of
35 at least 98% in terms of the weight of the layer.

16. Product comprising a roll or bundle of tissue layer, wherein the layer has an elastic recovery value

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greater than 90% and the roll or bundle has a density of 200 to 300 kg/m³.

- 5 17. The product according to claim 16, wherein the ratio between the density of the layer, when the layer has been separated from the roll or the bundle, and the density of the roll or the bundle is less than 0.65, and the density of the layer when separated from the roll or the bundle is 30 to 130 kg/m³.
- 10 18. The product according to claim 16, wherein the layer has a dry content of at least 93-94% in terms of the weight of the layer.
- 15 19. The product according to claim 16, wherein the elastic recovery value is greater than or equal to 95%, and the layer has a dry content of at least 96% in terms of the weight of the layer.
- 20 20. The product according to claim 16, wherein the layer has a dry content of at least 98% in terms of the weight of the layer.